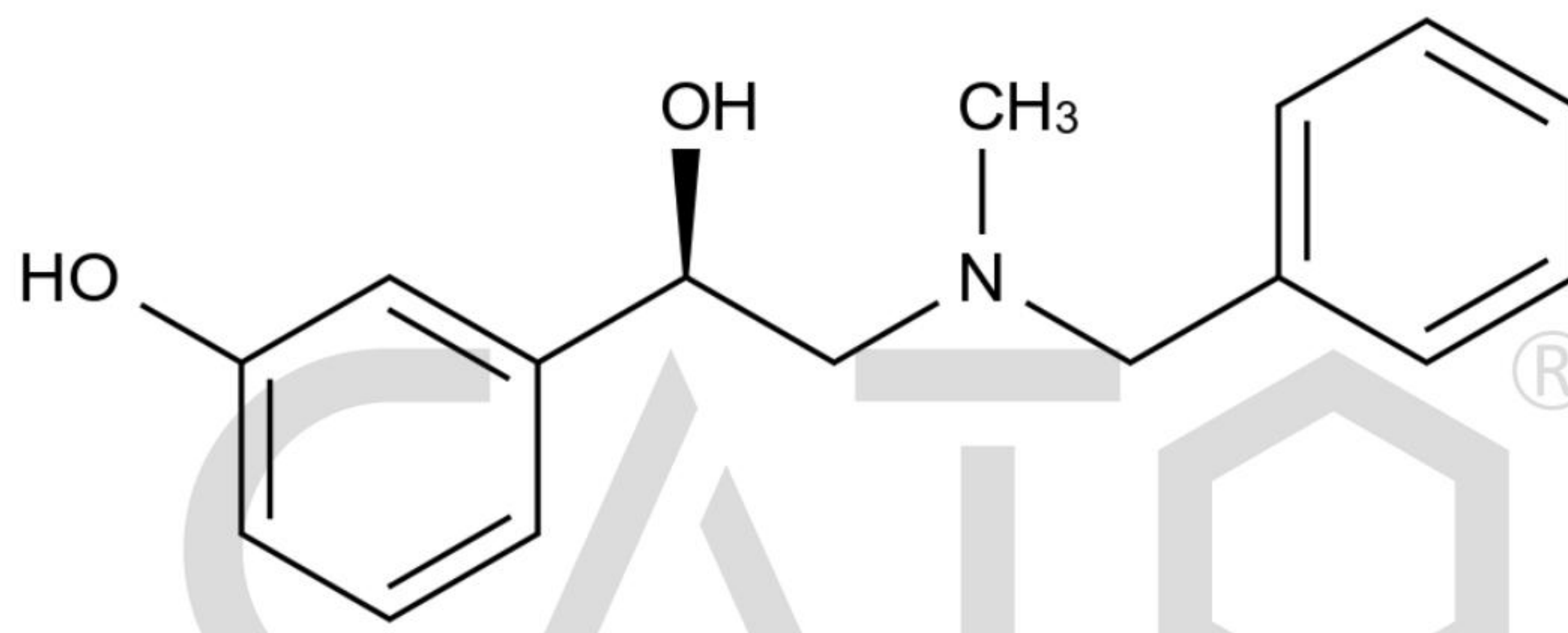


Certificate of Analysis

Reference Material & Standard

Product Name:	Phenylephrine EP Impurity D	Catalogue Number:	C4X-14674
Synonyms:	3-{2-[Benzyl(methyl)amino]-1-hydroxyethyl}phenol	Lot Number:	0514-RH-0041
CAS Number:	1367567-95-0	Expiry Date:	May 25, 2030
Molecular Formula:	C ₁₆ H ₁₉ NO ₂	Storage:	-20°C±5°C Sealed
Molecular Weight:	257.33	Shipping Condition:	Shipping with Ice Packs
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.808%
Residue on Ignition	TGA	0.3974%
Loss on Drying	TGA	0.2041%
Assay	qNMR	98.6%
Assay	Mass Balance	99.2%

Comment:

- The retest date of this product is May 25, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: May 26, 2026

Date: May 26, 2026

Date: May 26, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

